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Serial No.: 10/789,074

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1. (currently amended) A method for assembling carbon particles into at least one 1 aligned carbon fiber, the method comprising the step of drawing glass containing said 2 carbon particles so as to form at least one carbon fiber from said darbon particles into a 3 fiber.
- 2. (original) The invention as defined in claim 1 wherein said carbon particles are 1 carbon nanotube molecules.
- 3. (original) The invention as defined in claim 1 wherein said carbon particles are ı carbon fibrils. 2
 - 4. (original) The invention as defined in claim 1 further comprising the step of twisting said fiber.
- 5. (original) The invention as defined in claim 1 further comprising the step of twisting said fiber while heating said fiber to facilitate its twisting. 2
 - 6. (original) The invention as defined in claim 1 further comprising the step of heating said glass containing carbon particles while drawing it.
 - 7. (currently amended) The invention as defined in claim I wherein said drawing step produces a plurality of aligned carbon fibers, the method further comprising the step of twisting said plurality of aligned carbon fibers, whereby said aligned carbon nanotube fibers are drawn towards the axis of said fiber so as to expel glass that was located between and within said aligned carbon fibers prior to performing said twisting.

1 2	8. (original) The invention as defined in claim 1 further comprising the step of forming said glass containing carbon particles.
1 2 3	9. (original) The invention as defined in claim 8 wherein said forming step further comprises the step of solidifying a mixture of carbon particles within a sol-gel solution whereby a body is formed.
1 2 3	10. (original) The invention as defined in claim 9 wherein said forming step further comprises the step of dispersing carbon particles within said sol-gel solution to form said mixture.
1 2	11. (original) The invention as defined in claim 9 wherein said solidifying step further comprises the step of adding an ester to said mixture.
1	12. (original) The invention as defined in claim 9 wherein said body is porous
l 2	13. (original) The invention as defined in claim 9 further comprising the step of imbuing said body with at least one other material.
1 2	14. (original) The invention as defined in claim 9 further comprising the step of heating said preform to consolidate it, whereby a consolidated body is formed.
1 2	15. (original) The invention as defined in claim 9 further comprising the step of incorporating said body into a larger body to form a preform.
1 2	16. (original) The invention as defined in claim 15 wherein said larger body is a glass body having a hole.
1 2	17. (original) The invention as defined in claim 15 wherein said incorporating step further comprises the step of heating said larger body to consolidate it.
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1 2 3	18. (original) The invention as defined in claim 15 further comprising the step of incorporating at least one other body into said larger body so that said perform contains multiple bodies.
1 2	19. (currently amended) The invention as defined in claim 1 further comprising the step of removing some glass from said carbon fiber.
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1	20. (currently amended) The invention as defined in claim 19 wherein said glass that is removed is from an exterior portion of said carbon fiber.
1 2	21. (original) The invention as defined in claim 19 wherein said removing is performed using at least a mechanical process.
1	22. (original) The invention as defined in claim 19 wherein said removing is performed using at least a chemical process.
1 2 3	23. (currently amended) A glass carbon fiber containing comprising carbon particles and residual glass, said residual glass being located substantially exterior to said carbon fiber.
1 1 2	24. (original) The invention as defined in claim 23 wherein said carbon particles are carbon nanotube molecules.
1 1 2	25. (original) The invention as defined in claim 23 wherein said carbon particles are carbon fibrils.

26. (currently amended) A method for assembling carbon particles into at least ı one aligned carbon fiber, the method comprising the step of drawing a preform of glass 2 containing carbon particles into a said carbon fiber, whereby said carbon particles are 3 substantially aligned. 27. (original) The invention as defined in claim 26 wherein said carbon particles 1 2 are carbon nanotube molecules. 28. (original) The invention as defined in claim 26 wherein said carbon particles 1 are carbon fibrils. 2 29. (currently amended) A plurality of carbon-particles with at-least-some glass l fibers having exterior to said fibers at least some glass, said fibers having been drawn 2 substantially together from a single preform. 3 30. (currently amended) The invention as defined in claim 29 wherein said carbon particles with at-least-some-glass fibers are twisted together. 31. (original) The invention as defined in claim 29 wherein said carbon particles 1 are carbon nanotube molecules. 2 32. (original) The invention as defined in claim 29 wherein said carbon particles 1 are carbon fibrils. 2 33. (currently amended) A glass-carbon particle fiber comprising aligned carbon 1 particles commingled with at least some glass primarily exterior to said. 2 34. (original) The invention as defined in claim 33 wherein said carbon particles 1 were aligned while said fiber was drawn. 2

35. (original) The invention as defined in claim 33 wherein said carbon particles } are carbon nanotube molecules. 2 36. (original) The invention as defined in claim 33 wherein said carbon particles are carbon fibrils. 2 (original) A carbon particle fiber comprising aligned carbon particles that 1 were aligned by having been drawn while intermixed within a carrier substance. 2 38. (original) The invention as defined in claim 37 wherein said carbon particles are carbon nanotube molecules. 2 39. (original) The invention as defined in claim 37 wherein said carbon particles 1 are carbon fibrils. 40. (currently amended) A method for producing at least one carbon fiber, the 1 method comprising the steps of: 2 embedding said carbon particles in glass; and 3 drawing said glass with said embedded carbon particles into a carbon fiber so that 4 said carbon particles are substantially aligned within said carbon fiber. 5 41. (original) The invention as defined in claim 40 whereir said carbon particles 1 are carbon nanotube molecules. 2